

FORM PTO-1449
(REV.7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
920010.535APPLICATION NO.
09/088,951

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Martin A. Cheever and Mary L. Disis

FILING DATE

June 2, 1998

GROUP ART UNIT

1642

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>su</i>	AA	4,205,130	05/27/80	Vihko	435	196	/
	AB	4,267,272	05/12/81	Josephson	435	7	/
	AC	4,510,239	04/09/85	Miller et al.	435	7	/
	AD	5,719,030	02/17/98	Kuroiwa et al.	435	7.1	/
	AE	5,738,867	04/14/98	Spitler	424	450	/
	AF	5,925,362	07/20/99	Spitler et al.	424	277.1	/
<i>✓</i>	AG	5,976,546	11/02/99	Laus et al.	424	192.1	/

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
<i>su</i>	AH	CA 1 185 525	04/16/85	Canada	
	AI	WO 95/04548	02/16/95	PCT	
<i>✓</i>	AJ	WO 98/46769	10/22/98	PCT	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>su</i>	AK	Bakker et al., "Melanocyte Lineage-specific Antigen gp100 Is Recognized by Melanoma-derived Tumor-infiltrating Lymphocytes," <i>The Journal of Experimental Medicine</i> 179:1005-1009, 1994.
	AL	Baselga et al., "Phase II Study of Weekly Intravenous Recombinant Humanized Anti-p185- ^{HER2} Monoclonal Antibody in Patients With HER2/neu-Overexpressing Metastatic Breast Cancer," <i>Journal of Clinical Oncology</i> 14(3):737-744, 1996.
	AM	Ben-Mahrez et al., "Circulating Antibodies Against C-MYC Oncogene Products In Sera Of Colorectal Cancer Patients," <i>Int. J. Cancer</i> 46:35-38, 1990.
	AN	Berchuck et al., "Overexpression of HER-2/neu Is Associated with Poor Survival in Advanced Epithelial Ovarian Cancer," <i>Cancer Research</i> 50:4087-4091, 1990.
	AO	Bernards et al., "Effective tumor immunotherapy directed against an oncogene-encoded product using a vaccinia virus vector," <i>Proc. Natl. Acad. Sci. USA</i> 84:6854-6858, 1987.
<i>✓</i>	AP	Cheever et al., "Specific Adoptive Therapy Of Established Leukemia With Syngeneic Lymphocytes Sequentially Immunized <i>In Vivo</i> And <i>In Vitro</i> And Nonspecifically Expanded By Culture With Interleukin 2," <i>The Journal Of Immunology</i> 126(4):1318-1322, 1981.

EXAMINER

M. Cheever

DATE CONSIDERED

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages. Etc.)

<i>See</i>	AA	Disis and Cheever, "HER-2/neu Protein: A Target for Antigen-Specific Immunotherapy of Human Cancer," <i>Advances in Cancer Research</i> 71:343-371, 1997.
	AB	Disis et al., "Existent T-Cell and Antibody Immunity to HER-2/neu Protein in Patients with Breast Cancer," <i>Cancer Research</i> 54:16-20, 1994.
	AC	Disis et al., "Immunity to the HER-2/neu oncogenic protein," in <i>Vaccines Against Virally Induced Cancers</i> , John Wiley & Sons, Chichester, 1994, CIBA Foundation Symposium 187, pp. 198-211.
	AD	Disis et al., "Peptide-Based, but Not Whole Protein, Vaccines Elicit Immunity to HER-2/neu, an Oncogenic Self Protein," <i>The Journal of Immunology</i> 156:3151-3158, 1996.
	AE	Disis et al., "Immunization with Homologous Foreign Proteins Generates Immunity Against "Self" Tumor Antigens," <i>The FASEB Journal Abstracts</i> 10(6):p. A1470, Abstract No. 2709, 1996.
	AF	Fisk et al., "Identification of an Immunodominant Peptide of HER-2/neu Protooncogene Recognized by Ovarian Tumor-specific Cytotoxic T Lymphocyte Lines," <i>J. Exp. Med.</i> 181:2109-2117, 1995.
	AG	Gaugler et al., "Human Gene MAGE-3 Codes for an Antigen Recognized on a Melanoma by Autologous Bystander T Lymphocytes," <i>J. Exp. Med.</i> 179:921-930, 1994.
	AH	Gusterson et al., "Prognostic Importance of c-erbB-2 Expression in Breast Cancer," <i>Journal of Clinical Oncology</i> 10(7):1049-1056, 1992.
	AI	Houghton, "Cancer Antigens: Immune Recognition of Self and Altered Self," <i>J. Exp. Med.</i> 180:1-4, 1994.
	AJ	Katsumata et al., "Prevention of breast tumor development <i>in vivo</i> by downregulation of the p185 ^{neu} receptor," <i>Nature Medicine</i> 1(7):644-648, 1995.
	AK	Kawakami et al., "Identification of the Immunodominant Peptides of the MART-1 Human Melanoma Antigen Recognized by the Majority of HLA-A2-restricted Tumor Infiltrating Lymphocytes," <i>The Journal of Experimental Medicine</i> 180:347-352, 1994.

EXAMINER

[Signature]

DATE CONSIDERED

3/1/00

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Gu	AA		Kern et al., "p185 ^{neu} Expression in Human Lung Adenocarcinomas Predicts Shortened Survival," <i>Cancer Research</i> 50:5184-5191, 1990.				
	AB		Mahi-Brown et al., "The cellular immune response to immunization with zona pellucida antigens," <i>Journal of Reproductive Immunology</i> 21:29-46, 1992.				
	AC		Mamula et al., "Breaking T Cell Tolerance With Foreign-And Self CO-Immunogens. A Study of Autoimmune B and T-Cell Epitopes of Cytochrome c," <i>The Journal of Immunology</i> 149(3):789-195, 1992.				
	AD		Mamula, "The Inability to Process a Self-Peptide Allows Autoreactive T Cells to Escape Tolerance," <i>J. Exp. Med.</i> 177:567-571, 1993.				
	AE		Matyas et al., "OncoVax PTM vaccine for prostate cancer induces immune responses to prostate specific antigen in prostate cancer patients," <i>Proceedings of the American Association for Cancer Research Annual Meeting</i> 40: 576-577, 1999.				
	AF		Naftzger et al., "Immune response to a differentiation antigen induced by altered antigen: A study of tumor rejection and autoimmunity," <i>Proc. Natl. Acad. Sci. USA</i> 93:14809-14814, 1996.				
	AG		Nanda and Sercarz, "Induction of Anti-Self-Immunity to Cure Cancer," <i>Cell</i> 82:13-17, 1995.				
	AH		Peoples et al., "Breast and ovarian cancer-specific cytotoxic T lymphocytes recognize the same HER2/neu-derived peptide," <i>Proc. Natl. Acad. Sci. USA</i> 92:432-436, 1995.				
	AI		Schlichtholz et al., "The Immune Response to p53 in Breast Cancer Patients Is Directed against Immunodominant Epitopes Unrelated to the Mutational Hot Spot," <i>Cancer Research</i> 52:6380-6384, 1992.				
	AJ		Skinner et al., "Characterization of antigenicity and immunogenicity pattern of native and recombinant zona pellucida proteins in the white-tailed deer (<i>Odocoileus virginianus</i>)," <i>Journal of Reproduction and Fertility</i> 101:295-303, 1994.				
	AK		Slamon et al., "Human Breast Cancer: Correlation of Relapse and Survival with Amplification of the HER-2/neu Oncogene," <i>Science</i> 235: 177-182, 1987.				
	AL		Takahashi et al., "Antibody to ras Proteins in Patients with Colon Cancer," <i>Clinical Cancer Research</i> 1:1071-1077, 1995.				

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3/1/00

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Martin A. Cheever and Mary L. Disis

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<i>Sen</i>	AA		Talmadge et al., "Preclinical evaluation of OncoVax-P a prostate cancer vaccine," <i>Proceedings of the American Association for Cancer Research Annual Meeting</i> 37: p. 477, 1996.				
<i>Sen</i>	AB		Yonemura et al., "Evaluation of Immunoreactivity for erB-2 Protein as a Marker of Poor Short Term Prognosis in Gastric Cancer," <i>Cancer Research</i> 51:1034-1038, 1991.				
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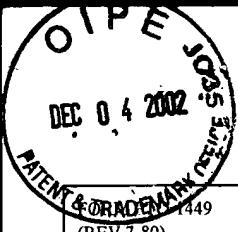
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DATE CONSIDERED

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Sheet 1 of 1

(REV.7-80)

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**SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**
(Use several sheets if necessary)

APPLICANTS
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June 02, 1998 GROUP ART UNIT
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AA						

FOREIGN PATENT DOCUMENTS

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				YES NO
AB				

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

KAC	AC	Mamula et al., "B Cells Process and Present Lupus Autoantigens that Initiate Autoimmune T Cell Responses," <i>J. Immun.</i> 152:1453-1461, 1994.
	AD	
	AE	
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EXAMINER	<u>Karen A. Gamella</u>	DATE CONSIDERED
		<u>3/24/03</u>

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